the complete composing room in a single machine

Comp/Set series 500II phototypesetters

AM Varityper

Comp/Set series 500II phototypesetters

The Comp/Set-II series includes three models, all of which provide four on-line type styles on easily-changed type discs. Comp/Set 510-II has 70 on-line type sizes from 5½ to 74 point; 524-II has 21 sizes to 24-point; and the multi-language 560-II has 70 sizes and eight languages on-line.

The unique graduation of type sizes in 1-point increments (plus 5½-point and 8½-point) is an invaluable aid in solving difficult copyfitting and design problems. In addition, automatic control of letter-space reduction and expansion, plus precise control of the fit of individual character combinations make it easy to meet every esthetic requirement.

Interactive Screen and Keyboard

All Comp/Set models are distinguished by an 11″ x 8″ CRT screen and a typewriter-oriented keyboard that is easy to learn and easy to use.

The screen displays 14-point, green characters on a charcoal background for highest legibility and minimal eye fatigue. Up to 512 characters are displayed (or up to 704, depending on the options selected and operating mode in use). The two-line function field keeps the operator continually informed as to typesetting parameters and machine functions and conditions.

The compact keyboard is color-coded for easy learning and efficient operation. Alphanumerics are virtually identical to those of the ordinary typewriter, with all command and format keys logically grouped adjacent to the alphanumeric keys for ready access. There are no off-keyboard controls to slow operation or break the touch typing rhythm.

Tab and Data Storage

Tab and Data Storage are standard on all Comp/Set-II models, providing simplified operation and adding greatly to the system's capability. The operator

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can employ any combination of Tab Storage and Data Storage within the total capacity of 750 codes (expandable to 20,000) and up to 99 Tab memories and 99 Data memories.

Tab Storage provides for easy entry, storage, and access of up to 99 tab memories including all repetitive alphanumerics and all commands such as line length, type style and size, quadding, etc. for each tab column. Data Storage provides similar capability for material that is non-tabular in nature.

Range of Imaging Materials

All Comp/Set-II phototypesetters can interchangeably use a wide range of imaging materials including stabilization paper, resin coated paper, film—and now a new *all dry material* that does not use conventional chemical processing.

This unique interchangeability of materials gives the user a choice, permitting selection of the material that most efficiently meets specific operating conditions and job requirements. Convenient automatic processors are offered for all papers. All materials are available in 6″, 8″, and 12″ widths.

Optional record playback modules

Optional record/playback modules are offered for all Comp/Set models. These retrofittable units, with either single or dual floppy diskettes, record all keystrokes to permit later rerun for changes, corrections, and even complete reformatting without re-keyboarding. In addition, this option permits the phototypesetter to receive input from off-line Comp/Set Video Display Input terminals as well as the disk-compatible AMtext 425 word processor. An auxiliary reader permits the system also to accept input by perforated tape.

Additional Software Options

Enhanced operating features are offered as options for Comp/Set-II phototypesetters that are equipped with either of the record/playback modules.

Foreground/background operation adds new power to Comp/Set-II systems by permitting the operator to be at work on jobs entirely independently of those being set in the photo unit.

Enhanced programs available for the Comp/Set-II series consist of two basic parts: the *edit/scroll module* provides powerful editing and text management capability; and the *counting module* controls typesetter operation, including justification, and provides automatic hyphenation.

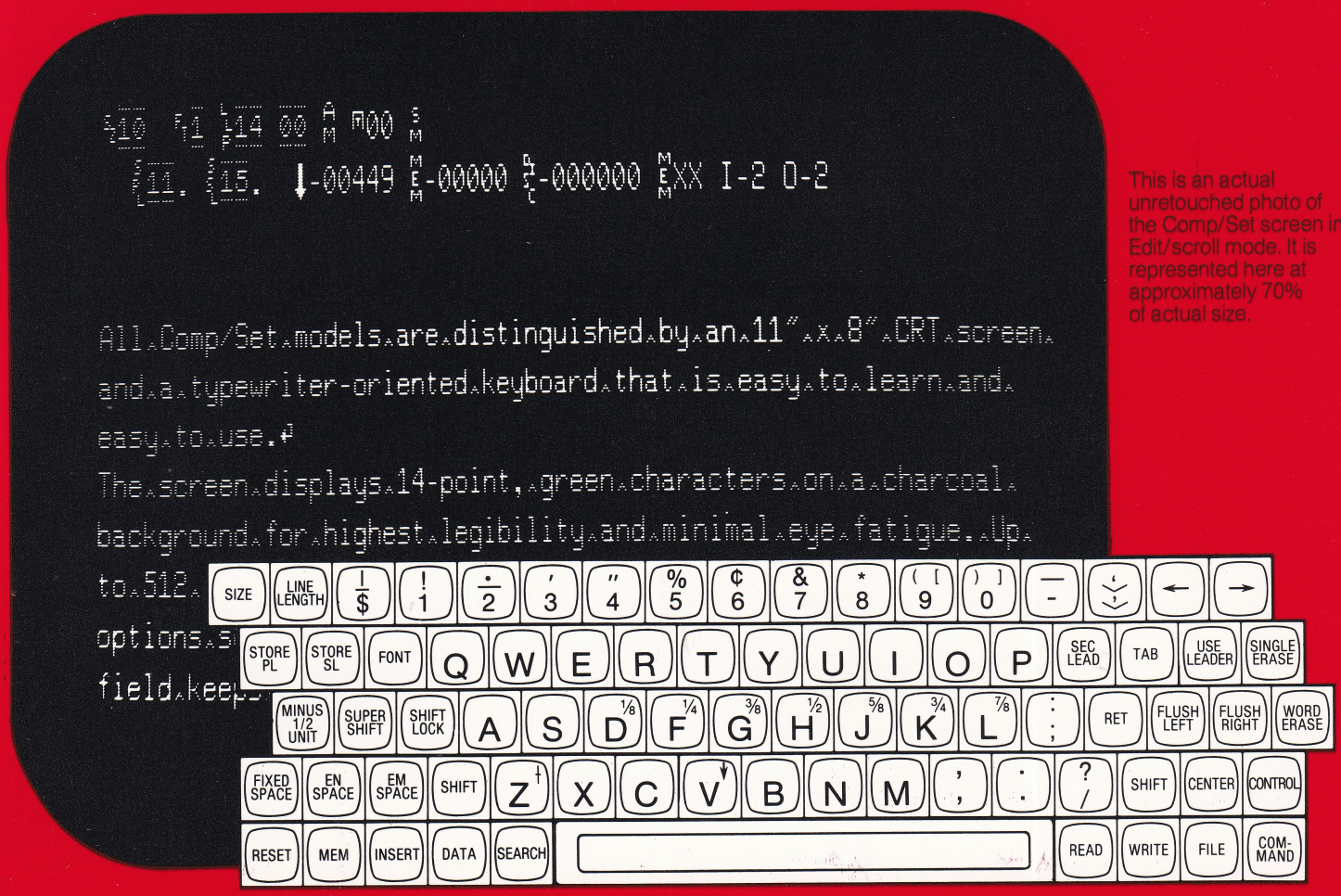
Edit/scroll Program Module

Scrolling gives almost instant access to any point in the scrolling buffer of up to 12,000 characters. Scrolling can be continuous, eight-lines-at-a-time, or a single-line-at-a-time; a press of the *home* key returns the display to the first line of the scroll.

Enhanced editing functions are under complete operator control and include *delete, replace, insert, move* and *store* of any unit of copy from a single character to up to 7,500 characters. All editing functions immediately appear on the screen for operator verification.

Programmable memory of up to 7,500 characters, permits storage of up to 99 segments of alphanumerics and/or commands of any length within the total programmable memory capacity.

Block move, a function of programmable memory, permits blocks of up to 7,500 characters to be transferred to any new



This is an actual unretouched photo of the Comp/Set screen in Edit/scroll mode. It is represented here at approximately 70% of actual size.

location for easy reassembly of jobs in new sequence.

High-speed search permits the operator to quickly and automatically locate any point in a job at which any editing function is to take place.

Global search and replace extends the automatic search function to include the change which will then be made automatically. Changes which are to made a number of times throughout a job thus can be entered once and automatically executed throughout the job in a matter of seconds.

The *Resident File Directory* displays the identifying letter and first 62 characters of each file on the diskette, eight file names at a time. The *Resident Memory Directory* performs a similar function for the programmable memory.

Translate capability permits complete diskette interchangeability between Comp/Set-II phototypesetters and other Comp/Set units that are equipped with earlier programs. This capability permits economical system expansion at the same time it helps avoid obsolescence of older equipment in your shop.

Counting Program Module

The Comp/Set-II *counting program* offers a choice of justification methods to fit the needs of the job, providing fully programmable control over all of the parameters within which justification is performed.

Hyphenation mode places hyphenation under the system's intelligence. A high level of accuracy is assured, while the operator can perform at top input speed. The operator can pre-program a table of variable hyphenation standards. Discretionary hyphenation together with *programmable exception dictionary* of up to 7,000 characters increase the level of accuracy by permitting the operator to specify the hyphenation in words in which any variation would be unacceptable, and to specify words in which hyphenation is not permitted.

In *automatic mode,* line endings take place automatically when the programmed parameters have been satisfied. Only if the parameters cannot be satisfied does the system call for operator intervention. This method provides a high input speed while keeping hyphenation entirely under operator control.

In *manual mode,* the operator retains full control over line endings as well as hyphenation. Users who prefer to rely on the typographic judgement of the experienced operator use this method.

Sort/merge provides a unique new capability for Comp/Set-II users. This feature permits stored information to be automatically sorted into five sort levels according to any sequence which may be entered by the operator. Sorts can be alphabetic and/or numeric, or they can be according to any other parameters. This special program module automates such functions as directory maintenance, classified advertisement production, cataloging, etc.

Word Processing Compatibility

The Comp/Set system permits you to combine the efficiency of word processing with high-quality typeset output because the Comp/Set system is disk-compatible with the AMtext 425 word processing system. This means that copy that has been typed and edited on the AMtext system can be set in type on the Comp/Set phototypesetter without any additional keyboarding, and without a costly interface device.

The Comp/Set type disc contains four type styles which can be set in the full range of sizes. Type discs are easily changed in just a few seconds. All character width coding is built into the type disc, so there are no width plugs to change. You can select from a library of over 400 type styles.

Presenting the Comp/Set-II series...

...the second generation of the system that revolutionized typesetting with the low-cost, easy-to-use phototypesetter that has been called *the complete composing room in a single machine.*

Now, with the introduction of the Comp/Set-II series, you can enjoy the kind of advanced operating capabilities that will help you to produce every kind of typesetting job with new efficiency and economy.

With the Comp/Set system, you can even go from secretarial typing to typeset copy without re-keyboarding, because Comp/Set units that are equipped with a floppy disk unit can accept input from the AMtext 425 word processor without costly interface equipment.

Best of all, the Comp/Set-II series is priced low enough to be easily affordable by every printer, typesetter, and in-house operation.

So if you're considering a phototypesetting system, talk to us. No one is doing more to make typesetting easy.

specifications
Comp/Set series 500-II phototypesetters

Input Direct keyboard input. Optional input from model 504 or 508 magnetic diskette record/playback unit.

Video Display 12″ x 8″ CRT screen; displays 14-point, green characters on black background; displays up to 512 characters in counting mode, and up to 704 characters in edit/scroll mode; also displays 2-line function field.

Keyboard 78 keys, typewriter-oriented.

Speed 20 lines per minute (based on 11-pica line, 9-point type.

Type sizes

	MODELS		
	510-II	524-II	560-II
range	5½ - 74	5½ - 24	5½ - 74
no. on-line	74	21	74

Sizes include all whole numbers within the specified size range, plus 5½ and 8½ point.

Size selection Keyboard command.

Size mixing Unlimited mixing within entire size range.

Type styles Four styles on-line

Characters 448 characters on the type disc.

Style selection Keyboard command.

Style mixing Unlimited style mixing.

Line length 45-pica maximum line length in all sizes.

Leading Primary, secondary, and add-lead; each from 0 to 99½-points in ½-point graduations.

Leading Selection Keyboard command.

Justification Hyphenation (automatic), automatic hyphenless, and manual end-of-line; keyboard selection of mode.

Justification space control Minimum and maximum allowable justification word space value, and maximum allowable letterspace expansion selected from the keyboard.

Quadding Quad left, quad right, quad middle, and centering, automatic from keyboard command.

Leaders and rules Automatic insertion of any selected character or space as leader, and assignment of any selected character width, by keyboard command.

Mortise By keyboard command in ½-unit graduations to maximum of 99 units.

White space control reduction and expansion of letterspace from ⅛-units to 1⅛-units in graduations of ⅛-units.

Fixed Space Em space, en space, and fixed space; fixed space programmable to 999 units, in 1-unit graduations, from the keyboard.

Tabular composition Unlimited number of tabular columns within the overall measure.

Repeat lines Automatic repeat of any line as many times as required.

Reverse carriage Allows carriage to be automatically positioned to the left of any established margin (as in numbered paragraphs.

Options
Record/playback modules, 504 or 508.
Auxiliary reader for perforated tape input.
Additional memory: 8K and/or 20K for optional functions.

Electrical 115V AC 60Hz; current consumption 7½ amps.

Dimensions	photo unit only	assembled
height	29¼″	39½″
width	24″	51″
depth	51″	51″
weight		485 lbs.

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For immediate information on Varityper composition systems, call toll-free 800-631-8134 except in Alaska and Hawaii; in New Jersey call 201-887-8000, ext. 666.

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Composed on a Comp/Set phototypesetter
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